/ Descriptions

TO-263 PNP

Silicon PNP transistor in a TO-263 Plastic Package.

/ Features

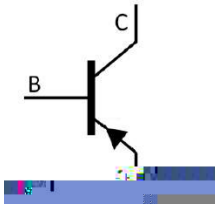
BRMJB41CQ AEC-Q101

Complement to BRMJB41CQ, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

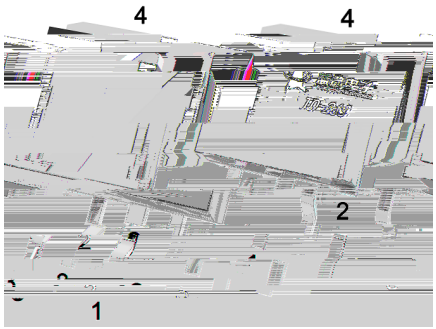
/ Applications

Medium power linear switching applications, Meet the stringent requirements of automotive applications.

/ Equivalent Circuit



/ Pinning



PIN1 Base PIN 2 4 Collector PIN 3 Emitter

/ h_{FE} Classifications & Marking

See Marking Instructions.

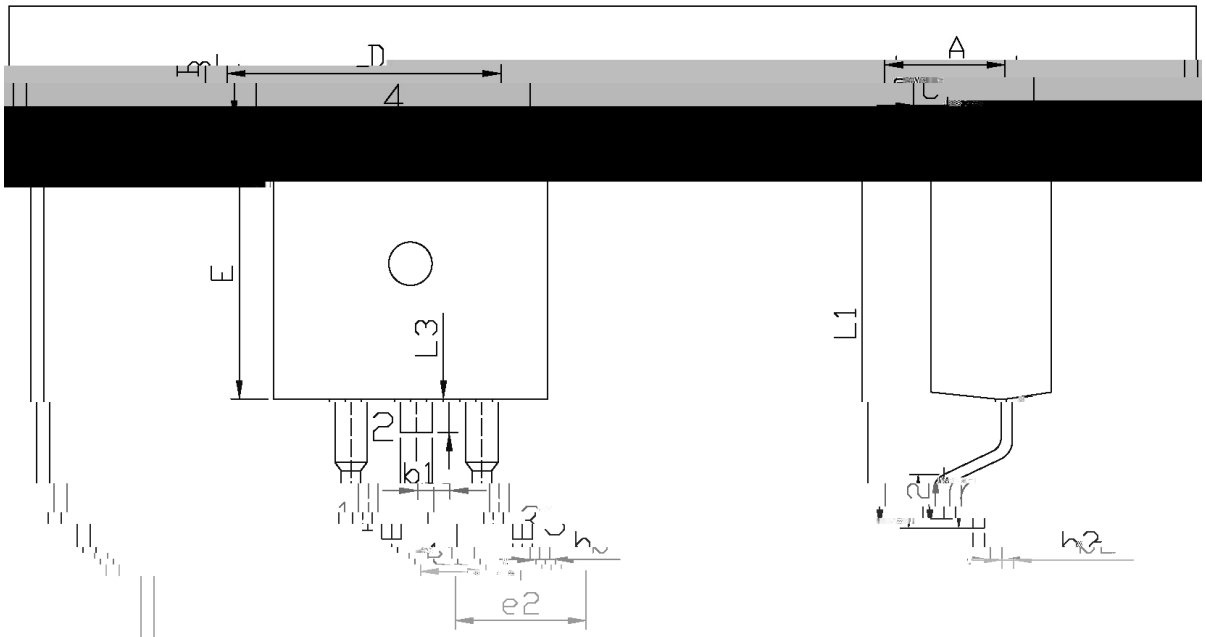
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-100	V
Collector to Emitter Voltage	V_{CEO}	-100	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-6.0	A
Peak Collector Current	I_{CP}	-10	A
Base Current - Continuous	I_B	-2.0	A
Power Dissipation	P_D	2.0	W
Power Dissipation	P_D(Tc=25)	65	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{sag}	-55 150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	I_C=-30mA I_B=0	-100			V
Collector Cut-Off Current	I_{CEO}	V_{CE}=-60V I_B=0			-0.7	mA

/ Electrical Characteristic Curve



/ Package Dimensions



单位：m

Dimensions In Millimeters		Dimensions In Millimeters			
Symbol	Min	Max	Symbol	Min	Max
A	4.30	4.70	E	9.00	9.40
B	1.00	1.40	e1	2.34	2.74

( ) /

Note:

1		150	200			60	120sec;	1.Preheating:150~200	, Time:60~120sec.
2		255±5					5±0.5sec;	2.Peak Temp.:255±5	, Duration:5±0.5sec.
3				2	10	/sec.		3. Cooling Speed: 2~10	/sec.

/ Resistance to Soldering Heat Test Conditions

260±5	10±1 sec.	Temp.:260±5	Time:10±1 sec

/ Packaging SPEC.

/ REEL